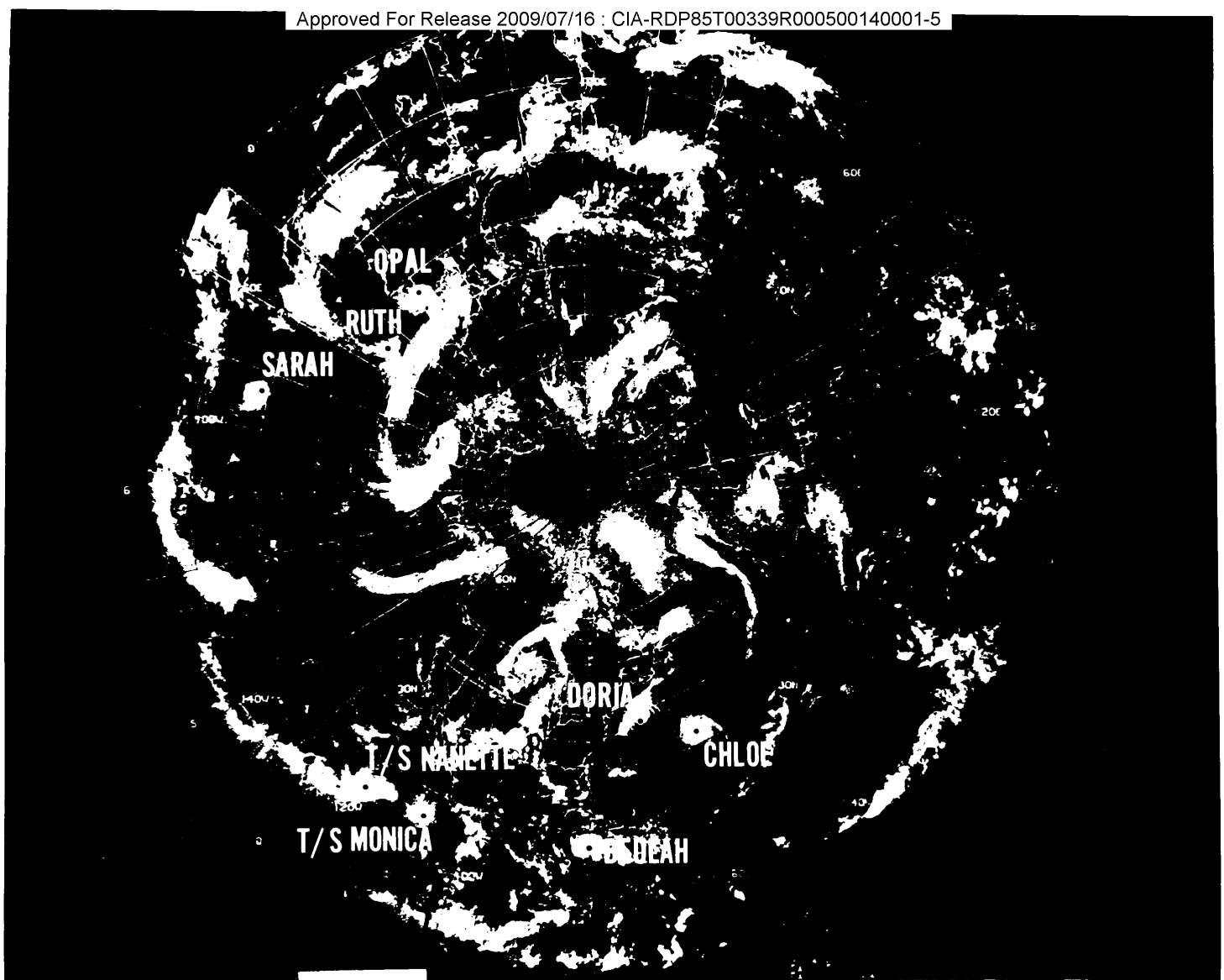


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Eight Major Storms Captured By Weather Satellite

ESSA 5 Weather Satellite tracked eight major storms in the Northern Hemisphere on Sept. 14, 1967, including the billion dollar destroyer Hurricane Beulah. This is believed to be the largest number of storms spotted on a single day by satellites. This picture is a digital mosaic compiled from ESSA 5 (stored picture capability) satellite photographs. The picture signals, received in analog form from the satellite, are sampled at short intervals, and numbers are assigned according to the brightness indicated by the basic signal. The computer then locates each digital value and the precise map location where it belongs. The computer tape containing this information is then displayed on a television-like tube (Kinescope) and then photographed. The result is a mosaic such as this one. Other satellites have the capability of transmitting instantaneous cloud pictures APT Capability).

